ERDOS, P. (Budapest); SPECKER, E. (Zurich)

On a theorem in the theory of relations and a solution of a problem of Knaster. Col math 8 no.1:19-21 '61. (EEAI 10:5) (Aggregates)

ERDOS, P. (Budapest); TURAN, P., acad. (Budapest)

An extremal problem in the theory of interpolation. Acta mat Hung 12 no.1/2:221-234 161. (EEAI 10:9)

1. Corresponding member of the Hungarian Academy of Sciences (for Erdos). 2. Hungarian Academy of Sciences (for Turan).

(Interpolation) (Polynomials)

ERDOS, P. (Budapest)

Problems and results on the theory of interpolation. II. Acta mat Hung 12 no.1/2:235-244 161. (EEAI 10:9)

1. Corresponding member, Hungarian Academy of Sciences, Budapest. (Interpolation)

ERDOS, P. (Budapest); RENYI, A., acad. (Budapest)

On the strength of connectedness of a random graph. Acta may Hung 12 no.1/2:261-267 '61. (EEAI 10:9)

1. Corresponding member, Hungarian Academy of Sciences (for Erdos).
2. Hungarian Academy of Sciences (for Renyi).

(Topology)

ERDOS, P. (Budapest); HAJNAL, A. (Budapest)

On a property of families of sets. Acta mat Hung 12 no.1/2:87-123 (EEAI 10:9)

1. Corresponding member of the Hungarian Academy of Sciences, Budapest. (for Irdos).

(Numbers, Theory of) (Aggregates)

BRDOS, Pal

Remarks about the theory of numbers.II.Some properties of the Euler's function. Mat lapok 12 no.3/4:161-169 '61.

HAJOS, Gyorgy; KALMAR, Laszlo; SURANYI, Janos; TURAN, Pal; FOSA, Lajos; DE BHUJIN, N.G. (Amsterdam, Holland); SARKADI, Karoly; FRIED, Ervin; WIEGANDT, Richard; ERDOS, Pal

Mathematical problems. Mat lapok 12 no.3/4:253-258 '61.

- 1. "Matematikai Lapok" szerkesztoje (for Hajos and Kalmar). 2. "Matematikai Lapok" felelos szerkesztoje (for Turan).

Traveling experiences; Moscow-Peking-Singapore. Magy tud 68 no.3: 193-197 Mr *61. (EEAI 10:6)

1. A Magyar Tudomanyos Akademia Levelezo tagja.
(Moscow--Schools) (Peking--Schools)
(Singapore--Description and travel)
(Hungarians in Russia) (Hungarians in China)
(Numbers, Theory of)

ENDOS.	Pal
EUDO .	

On lecture tour in Australia. Magy tud 68 no.7/8:487-490 Jl-Ag 161.

1. A Magyar Tudomanyos Akademia lev. tagja.

DAVENFORT, H.; ERDOS, P.

A theorem on uniform distribution. Mat kut kozl MTA 8 A series no. 1/2:3-11 '63.

ERD OSH, Paul [Erdos, Pal], akad.

On some geometric problems. Fiz mat spisanie BAN 5 no.3:205-212 '62.

1. Ungarska akademiia na naukite v Budapeshta.

ERDOS, P.

On trigonometric sums with gaps. Mat kut kozl MTA 7 Ser.A no.1/2:37-42 $^{1}62$.

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CZIPSZER, J.; ERDOS, P.; HAJNAL, A.

Some external problems of infinite graphs. Mat kut kozl MTA 7 series A no.3:441-457 162.

ERDOS, P.

On the number of complete subgraphs contained in certain graphs. Mat kut kozl MTA 7 series A no.3:459-464 *62.

ERDOS, P. (Haifa)

On the representation of large integers as sums of distinct summands taken from a fixed set. Acta arithmetica 7 no.4:345-354 162.

ERDOS, Pal; RENYI, Alfred

A problem in the theory of graphs. Mat kut kozl MTA 7 Series B no.4:623-641 '62 [publ. '63]

1."A Magyar Tudomanyos Akademia Matematikai Kutato Intezetenek Kozlemenyei" szerkesztoje (for Renyi).

ERDÖS, P.

Some remarks on the functions ρ and d . Bul Ac Pol mat 10 no.12:617-619 '62.

1. Mathematics Department, University College, London, England. Presented by W.Sierpinski.

ERDÖS, P. (Budapest) An inequality for the maximum of trigonometric polynomials. Annales pol math 12 no.2:151-154 %2.

ERDOS, Pal

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BOLLOBAS, Bela; ERDOS, Pal

Problems relating to the extreme values in the theory of graphs. Mat lapok 13 no.1/2:143-152 '62.

ERDOS, Pal

Remarks about the theory of numbers. IV. Mat lapok 13 no.3-4: 228-255 162.

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On a classification of denumerable order types and an application to the partition calculus. Fund mat 51 no.2:117-129 '62.

ERDOS, Paul; RENYI, Alfred

On two problems of the information theory. Mat kut kozl MTA 8 A series no.1/2:229-243 63.

1. "A Magyar Tudomanyos Akademia Matematikai Kutato Intezetenek Kozlemenyei" foszerkesztoje (for Renyi).

ERDOS,P. (Budapest)

On some properties of Hamel bases. Col math 10 no.2: 267-269 *63.

ERDOS, Pal

Combinatorial questions relative to the theorem of Ramsey and Van der Waerden. Mat lapok 14 no.1/2:29-37 163.

DIRAC, G.; ERDOS, P., member of the Academy

On the maximal number of independent circuits in a graph. Acta mat Hung 14 no.1/2:79-94 163.

1. Mathematisches Seminar der Universitat Hamburg (for Dirac).
2. Mathematical Institute, Eotvos Lorand University, Eudapest;
Editorial board member, "Acta Mathematica Academiae Scientiarum Hungaricae" (for Erdos).

CSASZAR, Akos; ERDOS, Pal; TURAN, Pal; KARTESZI, Ferenc; FRIED, Ervin; WIEGANDT, Richard; CSIPSZER, Janos; KALMAR, Laszlo; KONCZ, Karoly; MAJTHAY, Antal; BOGDAN, Zoltan; HAJNA, Janos; HETYEI, Gabor; SURANYI, Janos

Mathematical problems. Mat lapok 14 no.1/2:163-169 '63.

l. "Matematikai Lapok" felelos szerkesztoje (for Turan). 2. "Matematikai Lapok" szerkeszto bizottsagi tagja (for Kalmar).

ERDOS, Pal, academcian; RENYI, Alfred, academician

Assymmetric graphs. Acta mat Hung 14 no.3/4:295-315 163.

1. Mathematical Institute, Ectvos Lorand University, Budapest; Editorial board member, "Acta Mathematica Academiae Scientiarum Hungaricae."

ERDOS, P.; RENYI, Alfred

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1. Editor-in-Chief, "A Magv " Tudomanyos Akademia Matematikai Kutato Intezetenek Kozlemenyei" (for Renyi).

ERDOS, P. (Budapest)

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ERDOS, P.

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ERDOS, P., member of the Hungarian Academy of Sciences

On a combinatorial problem. Pt.2. Acta mat Hung 15 no.3/4: 445-447 164.

1. Mathematical Institute of Lorand Ectvos University, Budapest. Submitted January 6, 1964.

ERDOS, Peter, dr., kandidatus; MOLNAR, Ferenc, dr., kandidatus, fomunkatars

Scheme of the reproduction of the social product. Stat szemle 42 no.8/9:889-902 Ag-S '64.

1. Division Chief, Institute of Economics, Hungarian Academy of Sciences, Budapest (for Erdos). 2. Institute of Economics, Hungarian Academy of Sciences, Budapest (for Molnar).

ENDOS, S.

Problems of technical control. p. 45. TOBSTERMELES. Endapest. Vol. 9, No. 8/9, Aug./Sept. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress Vol. 5, No. 6, June 1956

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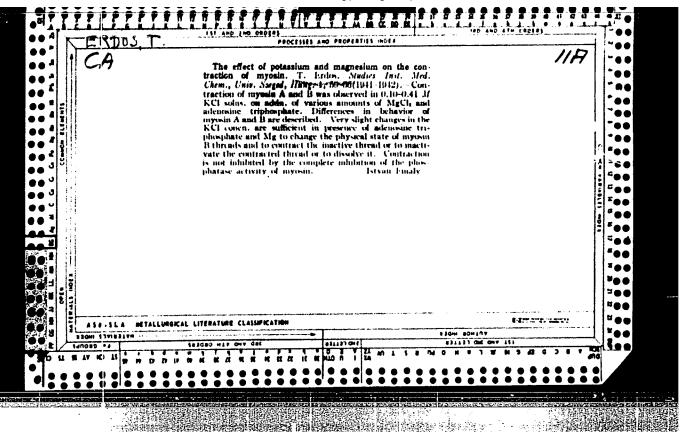
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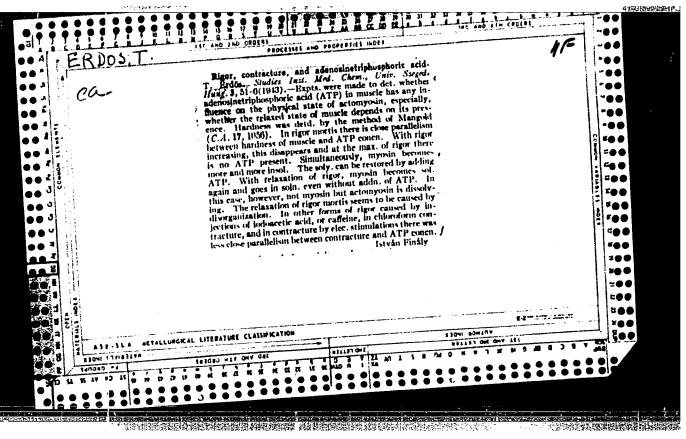
1. Orszagos Tervhivatal.

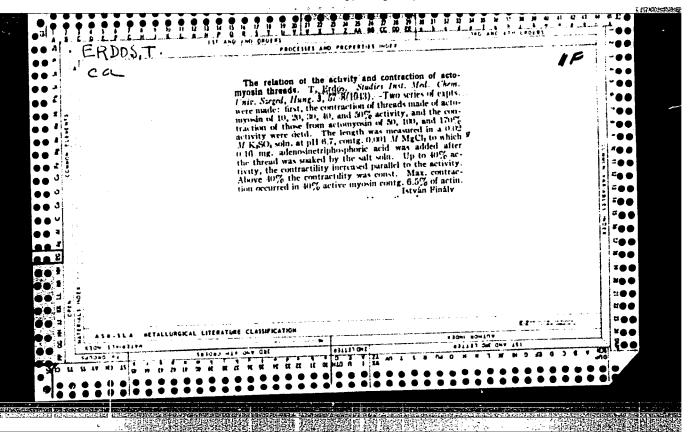
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On an important question of developing cold metalworking. Ujit lap 12 no.1:21 10 Ja 460.

1. Hiradastechnikai Szerszamgyar igazgatoja.







ERDOS, T.

Electrophoresis of sperm. Acta physiol. hung. 3 no.3-4:525-536 1952. (CIML 24:5)

1. Of the Microscopy Medical Chemistry Institute of Budapest University and of the Institute of Biochemistry of Debrecen University (Head--Prof. B. Tanko, M.D.).

ERDOS, T.

Guba, F.; Erdos, T.

"Electron-Microscopic Investigations of Ram Spermatozon." p. 59. (Acta Physiologica. Supplement to v. 4, 1953, Budapast)

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ERDOS, T.

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73413. Effect of lons on the charge of mygsin and of some other proteins. T. Erdős Acta physiol. Acad. Sci. hung., 1955, 7, 1—11.—
The isoelectric point of myosin depends whether it is dissolved in CaCl, or KCl. It is pli 9-5 in the former, 5-4 in the latter. The

charge of myosin in mixtures of CaCl, and KCl depends on the relative proportions of the 2 salts. At equal ionic strength the not charge is 0. Also anions influence charge and precipitability of myosin, e.g. MgSO₄ gives to myosin an opposite charge to MgCl₄ myosin has 2 pptn. 20nes in MgSO₄. In CaCl₄ at pH 8-2 L-meromyosin has a positive, H-meromyosin and protomyosin negative charges. CaCl₄ and MgCl₄ also shift the isoelectric point of actin presumably to pH 7-8. Crystallised Ca-trypsin has a positive charge at pH 8-2 both in KCl and in CaCl₄, a non-crystalline commercial trypsin had a negative charge. (Hungarian)

ERDCS, T.; TOMCSANYI, A.

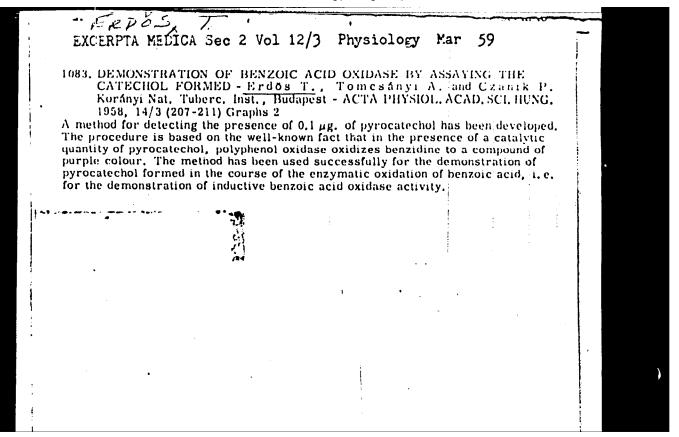
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1. Department of Biochemistry, Koranyi National Tuberculosis Institute, Budapest.

(OX IDASES

bensoic acid oxidase, stages of substrate-induced form, in Mycobacterium frieburgensis.)
(MYCOBACTERIUM, metab.

frieburgensis, stages of substrate-induced form, of bensoic acid oxidase.)



ERDOS, T.; TOMOSANYI, A.

Inductive benzoic acid oxidase and catechol oxidase. Acta physiol. hung. 14 no.3:201-206 1958.

1. Koranyi National Tuberculosis Institute, Budapest. (OXIDASE

benzoic acid oxidase & tyrosinase in Mycobacterium frieburgiensis, inductive biosynthesis) (MYCOBACTERIUM, metab.

frieburgiensis, inductive biosynthesis of benzoic acid oxidase & tyrosinase)

TOMCSANYI, A.; MEDVECZKY, E.; ERDOS, T.

Effect of benzaldehyde derivatives on benzoic acid oxidase. Acta physicl. hung. 14 no.3:213-222 1958.

1. Koranyi National Tuberculosis Institute, Budapest.
(BENZOATES

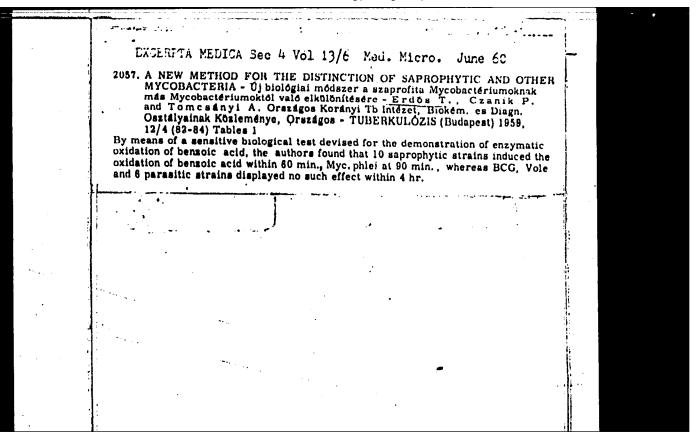
bensaldehyde & its deriv., eff. on benzoic acid oxidase activity in Mycobacterium frieburgiensis)

(OXIDASES

benzoic acid oxidase in Mycobacterium frieburgiensis, eff. of benzaldehyde & its deriv. on activity)

(MYCOBACTERIUM, metab.

frieburgiensis, eff. of benzaldehyde & its deriv. on benzoic acid oxidase activity)



ERDOS, T.; ULLMAN, Agness; TOMCSANYI, A.; DEMETER, Magda.

On the mechanism of streptomycin action. Acta physiol.hung. 17 no.3:229-239 160.

1. Koranyi Mational Tuberculosis Institue and Institute of Medical Chemistry. Medical University, Budapest (STREPTONYCH pharmacol)

ERPOS Z. (1057)

1st Dept. of Ped. and 2nd Dept. of Path., Budanest Univ. Contributions to the clinical and pathological picture of chronic tuberculous spinal meningitis Gyermekhyegyaszat 1952, 3/9 (275-284) Illus. 5

Four fatal cases are reported. It was found that a period when the CSF protein still showed no shift, the index of streptomycin diffusion, i.e. the difference between the streptomycin content of cisternal and lumbar fluid, was already increased. At this stage intrathecal and intracisternal streptomycin may be of benefit. Serial air insufflations may have had some effect after partial block had developed. A certain correlation exists between the protein content of the lumbar CSF, the thickness of the exudate and the clinical course.

Veghelyi - Budapest (XX, 8, 7, 15)

SO: EXCERPTA MEDICA Volume 6, Number 3, Section VIII March 1953

ERDOS Z. and JENEY I.

3501. ERDOS Z. and JENEY I. 1. Dept. of Ped., Budapest Univ. med. Sch. * Simultaneous eccurrence of the meningitis and milifary the in BCG-vaccinated infants. (Hungarian test) GYERMEKGYOGYASZAT (Budapest) 1953, 4/2 (41-47) Tables 6

Of 46 infants who had suffered from simultaneous to meningitis and miliary to, 2 survived. One of them had been vaccinated with BCG before contracting to after wheeping cough. The infant recevered in a relatively short time (6 menths). It is supposed that the vaccination exerted a favourable influence on the course of the disease. The other infant contracted the infection in the parallergic state following BCG vaccination. It seems that vaccination with BCG had a beneficial influence in this case also.

Véghelyi - Budapest (VII,8,15)

SO: Excerpta Medica, Section VIII, Vol 7, No 9

ERDOS, Z.; ROSTA, J.

Therapy of infantile tuberculosis with nicotinic acid hydrazide. Gyernekgy-ogyaszat 4 no.3:91-94 Mar 1953. (CIML 24:4)

1. Doctors. 2. First Pediatric Clinic (Director -- Academician Prof. Dr. Pal Gegesi Kiss), Budapest Medical University.

EXCIRPTA MEDICA Sec.15 Vol.10/4 Chest Diseases Apr57

1042. ERDÖS Z. and SOMLO M. Orvostud. Egyetem I. sz. Gyermekkin., Budapest.
*ACTH a gyermekkori meningitis the kezelésében. ACTH in the treatment of tuberculous meningitis in children GYERMEKGYÓGYÁSZAT 1956, 7/4 (113-115) Graphs 1

Apart from the usual antibiotic treatment, ACTH was used in the treatment of 5

Apart from the usual antibiotic treatment, ACTH was used in the treatment of 5 children in whom no improvement was achieved by antibiotics alone. Most had been under antibiotic treatment for several months before 7-14 day courses of i.m. ACTH (20-50 mg. daily) were given. In 3 extremely advanced cases notable clinical and CSF improvement occurred, without major toxic effects.

Lorber - Sheffield (XX, 7, 8, 15)

ERDOS, Zoltan, Dr.; PREM, Geza, Dr.; RACZ, Pal, Dr.

Pulmonary carcinomas in children. Gyermekgyogyaszat 8 no.9-10:315-318 Sept-Oct 57.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Gyermekklinikajanak (Igazgato: Gegesi Kiss Pal dr. akademikus, egyetemi tanar) es II. sz. Korbonctani Intezetenek (Igazgato: Haranuy Iaszlo Dr. MTA. I. tagja, e egyetemi tanar* kozlemenye.

(IUNG NEOPIASMS, in inf. & child case report (Hun))

ERDOS, Zoltan; JELLINEK, Harry

REPORT JOHNSON

Clinical and pathological observations in tuberculosis of BCO innocculated children. Orv. hetil. 98 no.45:1235-1237 10 Nov 57.

1: A Budapesti Orvostudomanyi Egyetem I. sz. Gyermekklinikajanak (igazgato: Gegesi Kiss Pal dr. egyet. tanar, akademikus) es II. sz. Korbonctani Interetenek (igazgato: Haranghy Iaszlo dr. egyet. tanar, MTA 1, tagja) kozlemenye.

(TUBERCULOSIS, PULMONARY, in inf. & child. clin. & pathol. observations on BCG inocculated child. (Hun))

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041221

ERDOS, 7.

EXCERTA FEDICA Sec 15 Vol 11/11 Chest Dis. Nov 58

2542. THE ELECTROPHORETIC PATTERN OF SERUM PROTEINS IN TUBERCULOUS MENINGITIS IN CHILDREN - Meningitis tuberculosaban szenvedő gyermekek vérfehérjéinek elektroforetikus vizsgáltata - Erdős Z.,

Beneze B. and Ugrai M. Budapesti Orvostud, Egyett. Ezz dyermekklin. Közl., Budapest - ORV. HETIL. 1957, 98/50-51 (1377-1379) Graphs 2

Tables 2

Serial examinations (176 in all) of serum proteins in 13 children during the treatment of tuberculous meningitis showed a constant pattern. At first the albumin was low or normal and the γ-globulin high; in the 2nd phase, during which the CSF proteins became normal, the serum albumin gradually rose and the γ-globulin rose again. Some 5 yr. after recovery the albumin value rose further and the γ-globulin rose again. Some 5 yr. after recovery the albumin/globulin ratio was persistently elevated in 8 cases.

Lorber - Sheffield (1, 7, 8, 15)

ERDOS, Zoltan, dr.; PREM, Geza, dr.; GORACZ, Gyula, dr.

Data recurrence of a case of traumatic tuberculous meningitis cured 5 years previously. Gyernekgyogyaszat 10 no.12:379-382 D 159.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Gyermekklinikajanak (Igazgato: Dr. Gegesi Kiss Pal akademikus, egyetemi tanar) es a Budapesti I. sz. Korbonctani Intezetenek (Igazgato: Dr. Haranghy Laszlo MTA lev. tagja, egyetemi tanar) kozlemenye.

(TUBERCULOSIS MENINGRAL in inf & chilā)

BRDOS, Z.; GEFFERTH, K.

The clinical course of acute miliary tuberculosis in children vaccinated with BCG. Acta med. hun. 15 no.1:117-128 '60.

1. 1st Department of Paediatrics, University Medical School, Budapest.
(BCG VACCINATION)
(TUBERCULOSIS MILIARY in inf.& child)

ERDOS, Zoltan, dr.; LIEBERMANN, Lucy

On personality changes after tuberculous meningitis. Gyermekgyegyassat 12 no.12:353-356 D '61.

1. A Budapesti Orvostudomanyi Egyetem I.sz. Gyermekklinikajanak kozlemenye. Igazgato: Gegesi Kiss Pal dr., akademikus, egyetemi tanar.

(TUBERCULOSIS MENINGEAL psychol)

Miliarit

University, I. Padiatric Clinic (orvostudomanyi dayetem, I. dyemakklinika), Budapest.

"Projectis of the wiles Tumor."

Eudnost, Orvosi Estilap, Vol 104, No 2, 15 den 62, pp 65-

abstract: [Adthors' Hungarian Summary modified] Twerry cases of Willes tumor, over a period of 10 years, are reviewed. In 17 cases, the age of patients was below four years. In most cases, the abdominal tumor called attention to the disease. Pyelography proved to be the most useful displostic toos. Redical surgery and post-operative interior is advocated. Success should not be concluded before survival for two means. Or 20 patients, only six are alive and of these three show matastasis. The authors' experience contradicts favorable prognoses of the disease, reported by others. Of 15 references, 3 are Hungarian, the rest mestern.

1/1

ERDOS, Z.

La meningite tuberculeuse des enfants vaccines par le B.C.G. Acta paediat. acad. sci. Hung. 4 no.2:133-140 163.

1. Iere Clinique de Pediatrie de l'Universite Medicale de Budapest.

(TUBERCULOSIS IN CHILDHOOD) (TUBERCULOSIS, MENINGEAL) (BCG VACCINATION) (STATISTICS)

ERDOS, Zoltan, dr.

Meningeal tuberculosis in children vaccinated with BCG vaccine. Gyermekgyogyaszat 14 no; 3:75-80 Mr '63.

1. Budapesti Orvostudomanyi Egyetem I. sz. Gyermekklinikajanak (Igazgato: Gegesi Kiss Pal dr., akademikus, egyetemi tanar) kozlemenye.

(BCG VACCINATION) (TUBERCULOSIS, MENINGEAL) (WHOOPING COUCH)

(MEASLES) (BRAIN INJURY, ACUTE) (BURNS)

SULYOK, Sarolta, dr.; ORIOVICS, Jozsef, dr.; ERDOSI, Ferenc, dr.; CZCIZEL, Endre, dr.

Our experiences with the immunological pregnancy test. Orv. hetil. 104 no.51:2428-2429 22 D 163.

1. Orszagos Kozegeszegugyi Intezet, Korelettani Osztaly es Orvostovabbkepzo Intezet, I Szuleszet-Nogyogyaszati Tanszek.

(PREGNANCY TESTS)
(HEMAGGLUTINATION INHIBITION TESTS)
(URINE) (GONADOTROPINS, CHORIONIC)

1 30109-66 FCC ACC NRI AP6020628

SOURCE CODE: HU/0033/66/000/001/0041/0046

AUTHOR: Erdosi Ferenc (Assistant professor)

ORG: University for the Training of High-School Teachers, Pecs (Tanarkopen Foiskola)

TITIE: Characteristics of the microclimate over barren-rock heaps in the Pecs mine area

SOURCE: Idojaras, no. 1, 1966, 41-46

TOPIC TAGS: atmospheric temperature, atmospheric humidity, wind, atmospheric turbulence, climatic condition, atmospheric front, microclimatology

ABSTRACT: The microclimate over the barren-rock heaps was characterized by temperature, humidity, and wind data. These were determined periodically for the past ten years. The effect of spontaneous ignition and fires exerted a significant influence in that these provided non-uniform temperature conditions resulting in turbulence of air. The heaps are located in a valley and interfere with the flow of climatic fronts over the area. The geographic and meteorological data established in this study were presented and discussed. Orig. art. has: 3 figures and 2 tables. TPRST

SUB CODE: 04 / SUBM DATE: none

Card 1/1 ULR

FROOSI, Istven

Total air conditioners. Equietgopeszet 13 nc.5:181-127. 0 '64.

ERUOSI, N.

Determination of temperature distribution in the cooled parts of gas turbines. p.750

ENERGIA ES ATONTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet) Budapest, Hungary Vol. 11, no.11/12, Nov./Dec. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959 Uncl.

ERDOSI, Nandor

Rapid starting of steam turbines. Energia es atom 14 no.10:423-430

1. Hotechnikai Kutato Inteset.

(Steam turbines)

ERDOSI, Nandor, okl. gepessmernok

Radial variation of characteristics of axial turbomachines; shovel with distorted shape. Energia es atom 14 no.11:486-498 N 161.

1. Budapesti Muszaki Egyetem, Gazturbinak Tanszeke.

ERDOSI, Mandor, okl.gepeszmernok

Increasing the competitiveness of gas turbines. Energia es atom 15 no.2:70-74 F '62.

1. Hotechnikai Kutato Intezet

H/008/62/000/006/001/003 D286/D308

AUTHORS: Erdősi, Nándor, and Mayer, Mátyás

TITLE: Tensometry and its application to heat engines

PERIODICAL: Energia és atomtechnika, no. 6, 1962, 244 - 250

The Timestigation of operating conditions and modernization of machines requires an accurate measurement of deformations and stresses in components due to internal forces, and due to changes in temperature. In the first part the electric strain gauge is considered in conjunction with a Wheatstone bridge. After discussing the general theory of the strain gauge, the effect of size and nominal resistance and the use of a high frequency bridge instead of a d.c. one is considered. The calibration is described and the two support beam method is suggested as the most suitable. The characteristics including directional properties are analyzed. The effect of temperature changes and methods of compensation are described. The second part deals with the applications of the strain gauge. One major research topic of 'Höki' is to investigate the economy and operational safety of the principal parts of the heat engine (boiler, main steam Card 1/2

Tensometry and its application ...

H/008/62/000/006/001/003 D286/D308

line, steam turbine) under dynamic conditions. These investigations have shown that the starting of the principal parts is safer and can be more economical than suggested by the manufacturers. Theoretical formulas for the maximum thermal stress in thick cylinders are given and the method of using the strain gauge for practical measurements is discussed in detail. The measurements were performed using strain gauges of American origin, marketed by Hottinger, West Germany. The initial measurements suggest that they are of great value, and are to be continued. So far only BBC turbine factory, Mannheim, conducted similar experiments. The initial results agree with those of BBC. There are 12 figures.

ASSOCIATION: Hötechnikai kutató intézet (Research Laboratory for Heat Technology)

Card 2/2

ERDOSI, Nandor, okleveles gepeszmernok

Trans.

Thermal shock. Energia es atom 15 no.10/11:445-451 0-N '62.

1. Hotechnikai Kutato Intezet.

54. Designing pole-changing centrifuge motors — G.y.
P. r. d. 6 s. y. (Elektrotechniks — Vol. 48, 1955, No. 6, pp. 220—227, 13 figs.)

In the course of the acceleration and electric braking of rotating masses heat in proportion to the flywheel moment of the system is generated in the rotor circuit of asynchronous motors. With high-inertia drives requiring only a low moment at working speed this condition impedes the use of series-manufactured squirrel-cage motors since it involves overdimensioning with e.g. sugar centrifuges. The investigation of energy transformation caused by the variations in speed in the rotors of asynchronous motors lead to the realization that by using motors with greater numbers of poles the losses can be considerably lowered and reduced to a minimum if the m different synchronous speeds at the motor are selected in the ratio of 1:3:5:...:2 m-1. Based on the formula and viewpoints furnished in the paper the principal data of the iron body and the windings ca 1 be calculated. The substantial saving in energy which can be attained by the use of multispeed motors is verified by an example.

New German water storage power plants. Elektrotechnika 53 no.8:372-373 160.

ERDOSY, Gyorgy

"Arcing short-circuit experiments on open, high-voltage cells" by A.Mayer. Review&d by Gyoergy Erdosy. Elektrotechnika 53 no.9:423-424 *60

"Selection of the protection of medium-voltage distribution networks" by 0. Possner. Reviewed by Gyorgy Erdosy. Elektrotechnika 53 no.11:515-517 '60.

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